

### Remarks

Claims 41-62 are pending. Claims 41, 43, 45, 49, and 53 were amended to refer to SEQ ID NOs: 27-56. Claims 58-62 were amended to refer to SEQ ID NOs: 25-56. A substitute Sequence Listing is submitted concurrently herewith. SEQ ID NOs: 1-40 of the Sequence Listing submitted herewith are the same as those in the paper copy of the sequence listing filed on July 19, 2004. SEQ ID NO: 41 is the amino acid sequence of wild-type IFN-beta-1a, which sequence is provided in Figure 10 of the application as the sequence spanning positions Meth18-Asn183. As stated on page 9 in the brief description for Figure 10, the amino acid sequence of wild-type IFN-beta-1a corresponds to the amino acid sequence spanning positions Meth18-Asn183 of the amino acid sequence displayed in Figure 10. SEQ ID NOs: 42-56 are the amino acid sequences of interferon-beta-1a mutants A1, A2, AB1, AB2, AB3, B1, B2, C1, C2, CD1, CD2, D, DE1, DE2, and E. As described on page 16 in lines 19-29 and further on pages 28-30 of the application, the amino acid sequences of the aforementioned interferon-beta-1a mutants are the same as that of wild-type IFN-beta-1a except for certain alanine and/or serine mutations of the wild-type IFN-beta-1a amino acid sequence. The location of the alanine and/or serine mutations in the amino acid sequence for each interferon-beta-1a mutant is shown in Table 1 on page 32 of the application. Importantly, support for the claim amendments and the Sequence Listing submitted herewith can be found in the application. Therefore, no new matter has been added.

### Fees

Applicants hereby authorize the Director to charge any required fee to our Deposit Account, No. 06-1448.

### CONCLUSION

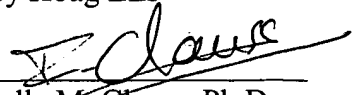
In view of the foregoing remarks, early and favorable consideration is respectfully solicited. The Examiner may address any questions raised by this submission to the undersigned at 617-832-1000.

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Respectfully submitted,  
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By: \_\_\_\_\_

  
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